United States Department of Agriculture | Forest Service | Northeastern Area State & Private Forestry | 180 Canfield Street Morgantown, WV 26505

OH-IN ACOE

Reply To: 3460/3410

Date: December 6, 1993

Commander
U.S. Army Corps of Engineers
Louisville District
P.O. Box 59
Attn: ORLOR-R/Ron Waller
Louisville, KY 40201

Dear Mr. Waller:

Summaries of the 1983-1993 gypsy moth trapping programs conducted at each of ten U.S. Army Corps of Engineers sites within the Louisville District is enclosed for your information (Table 1). Also enclosed are maps showing trap locations for those sites having positive male moth catches (Figures 1-4). The purpose of this program is to monitor low level gypsy moth populations and help us determine when more quantifiable survey methods should be employed.

In brief, no male gypsy moths were caught at Caesar Creek Lake in 1993, a decrease from one moth reported in 1992. A single gypsy moth was caught at Clarence J. Brown Dam in 1993. This is the first gypsy moth caught since 1990 when four male moths were trapped. Mississinewa Lake experienced its first positive catch (six moths in 1993) since 1989 when one moth was trapped. Salamonie Lake trapped one moth in 1993, same as last year. Eight moths were caught this year at Huntington Lake. It is worth noting that seven of the eight moths were captured in trap #4. No male moths were caught at the remaining Corps sites this past season.

The Morgantown Field Office is no longer responsible for activities on Federal lands in Indiana. The St. Paul Field Office in Minnesota is assuming these responsibilities. Your new point-of-contact for sites located in Indiana is:

Irene Borak, Entomologist
Forest Health Protection
USDA Forest Service
1992 Folwell Avenue
St. Paul, MN 55108
(612) 649-5265
FAX: (612) 649-5285

Based on the trapping results, gypsy moth populations should not have any significant impact on the forest resources at these Corps projects in the immediate future. Our office will still be responsible for the Corps projects in Ohio and we would like to see the trapping program continued at the same intensity in 1994.

Thank you for your continued cooperation and if you have any questions regarding these results, please call me at (304) 285-1556.

Sincerely,

Melissa A. Emerson

for KAREN D. FELTON
Biological Technician
Forest Health Protection

Enclosures

cc: AO
~~John Marber~~, Caesar Creek Lake Dave Johnstone
Rober Hosteiter, Cagles Mill Lake
Glenn C. Collins, Cecil M. Harden Lake
Chris Rapenchuk, Clarence J. Brown Dam —
Tom Harvey, Huntington Lake
Daniel Woodward, Mississinewa Lake
Shannon Phelps, Monroe Lake
James Duguid, Salamonie Lake
Ray Hurley, West Fork Lake — Ben Fleming
Phil Marshall, Indiana DNR
David Zagurney, William Harsha Lake
Alan Baumgard, OHDA
Irene Borak, FHP, St. Paul

KDF/mae

Table 1.--Summary of the 1983-1993 gypsy moth trapping results, Louisville District, U.S. Army Corps of Engineers.

Caesar Creek Lake (Warren and Clinton Counties, OH)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	15	0	--
1984	15	0	--
1985	19	0	--
1986	19	0	--
1987	19	0	--
1988	19	0	--
1989	19	0	--
1990	19	0	--
1991	15	0	--
1992	15	1	2
1993	15	0	--

Cagles Mill Lake (Putnam and Owen Counties, IN)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	15	0	--
1984	15	0	--
1985	15	0	--
1986	15	0	--
1987	15	0	--
1988	15	0	--
1989	15	0	--
1990	15	0	--
1991	15	0	--
1992	15	0	--
1993	15	0	--

Cecil M. Hardin Lake (Parke and Putnam Counties, IN)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	10	0	--
1984	10	0	--
1985	20	0	--
1986			Traps not deployed
1987	15	0	--
1988	15	0	--
1989	15	0	--
1990	15	0	--
1991	15	0	--
1992	22	0	--
1993	20	0	--

Clarence J. Brown Dam (Clark County, OH)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	10	0	--
1984	10	0	--
1985	10	0	--
1986	10	0	--
1987	10	0	--
1988	10	0	--
1989	10	0	--
1990	10	4	2,3,4
1991	10	0	--
1992	14	0	--
1993	13	1	9

Huntington Lake (Huntington County, IN)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	15	0	--
1984	15	0	--
1985	13	0	--
1986	15	0	--
1987	15	0	--
1988	15	0	--
1989	15	0	--
1990	15	0	--
1991	14	2	5
1992	15	0	--
1993	15	8	4,15

Mississinesa Lake (Miami and Wabash Counties, IN)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	20	0	--
1984	20	0	--
1985	20	0	--
1986	20	0	--
1987	20	0	--
1988	20	0	--
1989	20	1	15
1990	20	0	--
1991	20	0	--
1992	3	0	--
1993	20	6	1,5,7,12,19

Monroe Lake (Monroe and Brown Counties, IN)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	20	0	--
1984	20	0	--
1985			Traps not deployed
1986	20	0	--
1987	20	0	--
1988	14	0	--
1989	15	0	--
1990	14	0	--
1991	14	1	8
1992	14	0	--
1993	15	0	--

Salamonie Lake (Wabash and Huntington Counties, IN)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	15	0	--
1984	15	0	--
1985	16	0	--
1986	16	0	--
1987	16	8	8
1988	16	0	--
1989	16	0	--
1990	16	0	--
1991	15	0	--
1992	15	1	15
1993	16	1	8

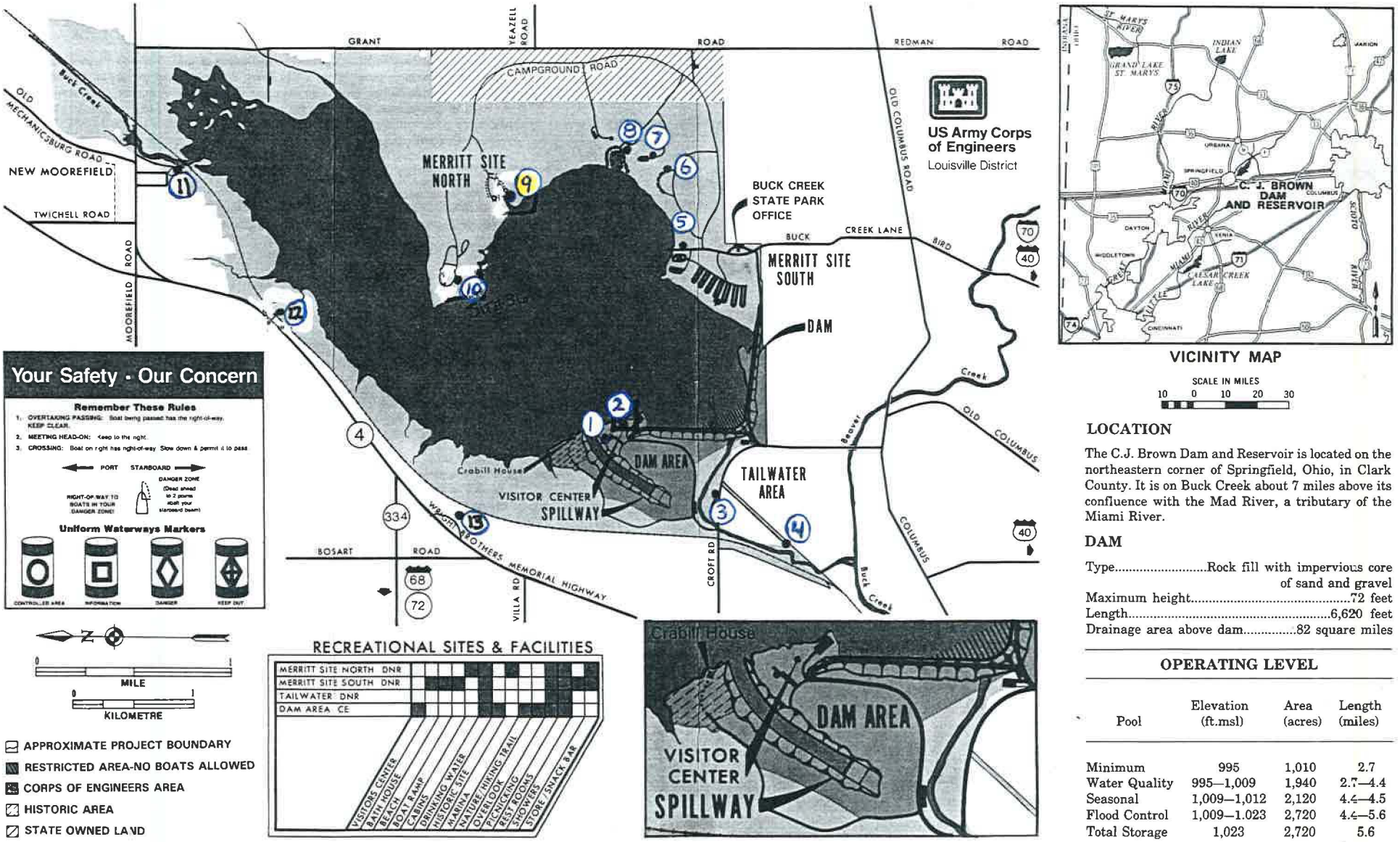
West Fork Lake (Hamilton County, OH)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	10	0	--
1984	10	0	--
1985	10	0	--
1986	10	0	--
1987	10	0	--
1988	10	0	--
1989	10	0	--
1990	10	0	--
1991	10	0	--
1992	10	0	--
1993	10	0	--

William H. Harsha Lake (Clermont County, OH)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	15	0	--
1984	15	0	--
1985	15	0	--
1986	15	0	--
1987	15	0	--
1988	15	0	--
1989	15	0	--
1990	15	0	--
1991	11	0	--
1992	11	0	--
1993	11	0	--

Figure 1.--1993 gypsy moth trap locations.



LOCATION

The C.J. Brown Dam and Reservoir is located on the northeastern corner of Springfield, Ohio, in Clark County. It is on Buck Creek about 7 miles above its confluence with the Mad River, a tributary of the Miami River.

DAM

Type.....Rock fill with impervious core of sand and gravel
Maximum height.....72 feet
Length.....6,620 feet
Drainage area above dam.....82 square miles

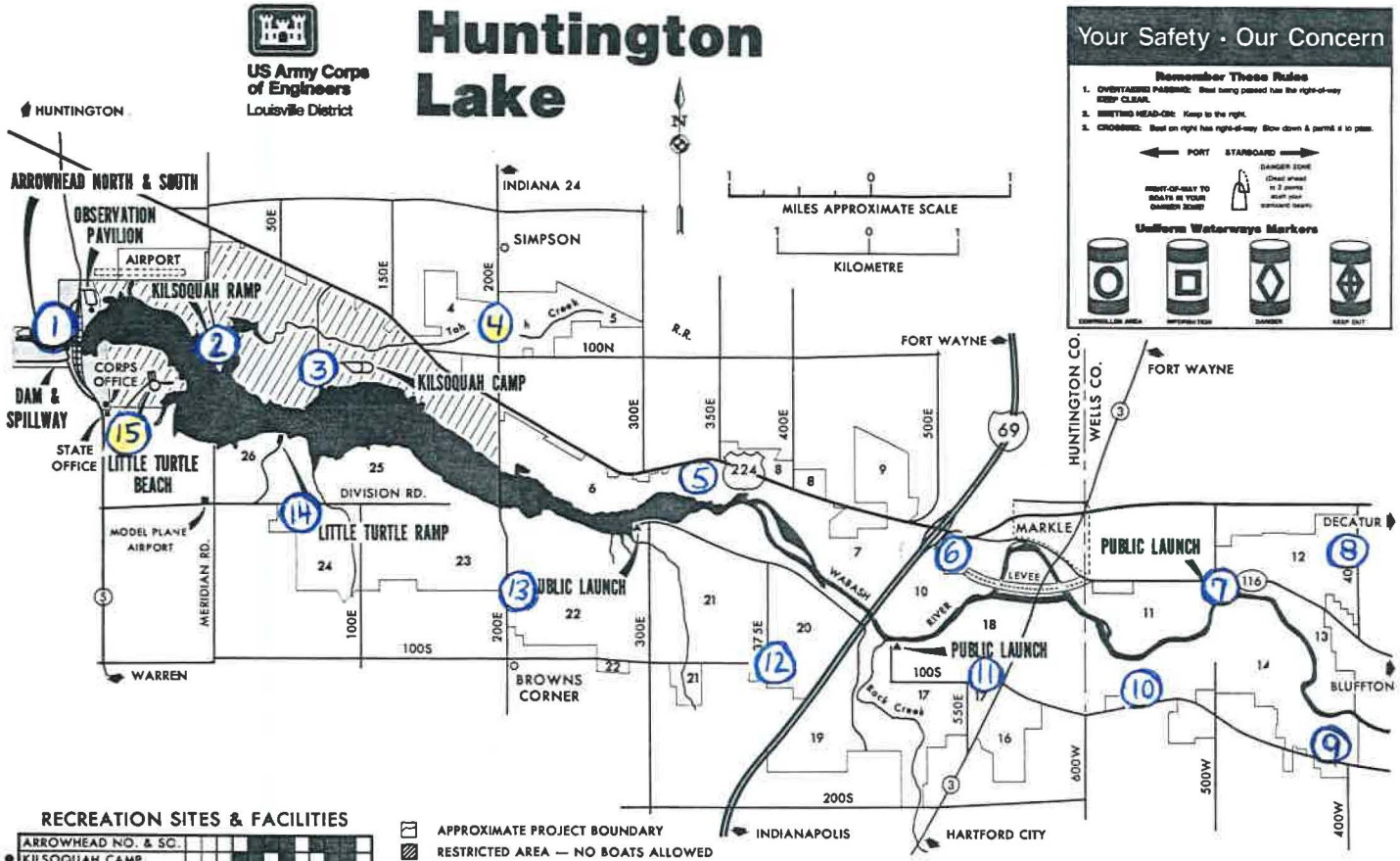
OPERATING LEVEL

Pool	Elevation (ft.msl)	Area (acres)	Length (miles)
Minimum	995	1,010	2.7
Water Quality	995—1,009	1,940	2.7—4.4
Seasonal	1,009—1,012	2,120	4.4—4.5
Flood Control	1,009—1.023	2,720	4.4—5.6
Total Storage	1,023	2,720	5.6

C.J. Brown Dam & Reservoir

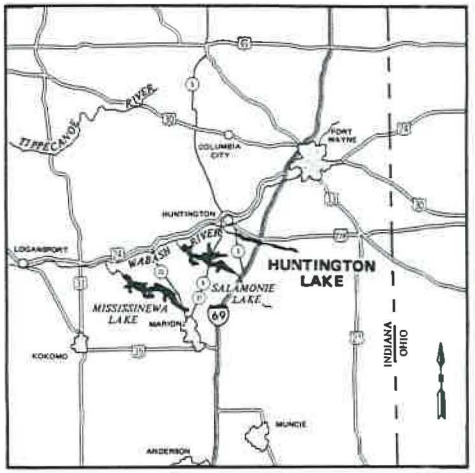
=Positive male moth catch

Figure 2.--1993 Gypsy moth trap Locations.



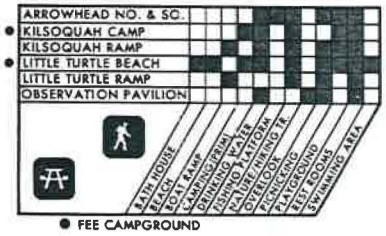
OPERATING LEVELS

Pool	Elevation (ft. msl)	Area (acres)	Pool Length (miles)
Minimum	737	500	5
Seasonal	737–749	900	5–7
Flood Control	737–798	7,900	5–29
Total Storage	798	7,900	29



VICINITY MAP

RECREATION SITES & FACILITIES



- APPROXIMATE PROJECT BOUNDARY
- RESTRICTED AREA — NO BOATS ALLOWED
- CORPS MANAGED AREA (NO HUNTING)
- SAFETY ZONE (NO HUNTING)
- FISHING (NO WAKE—NO WASH)
- PUBLIC LAUNCH SITE
- 4—26 HUNTING AREAS

DAM

Type.....Concrete & rolled earth fill
Maximum height.....91 feet
Length.....6,500 feet
Top Width.....46 feet
Top Elevation.....805 feet
Drainage area above dam.....707 square miles

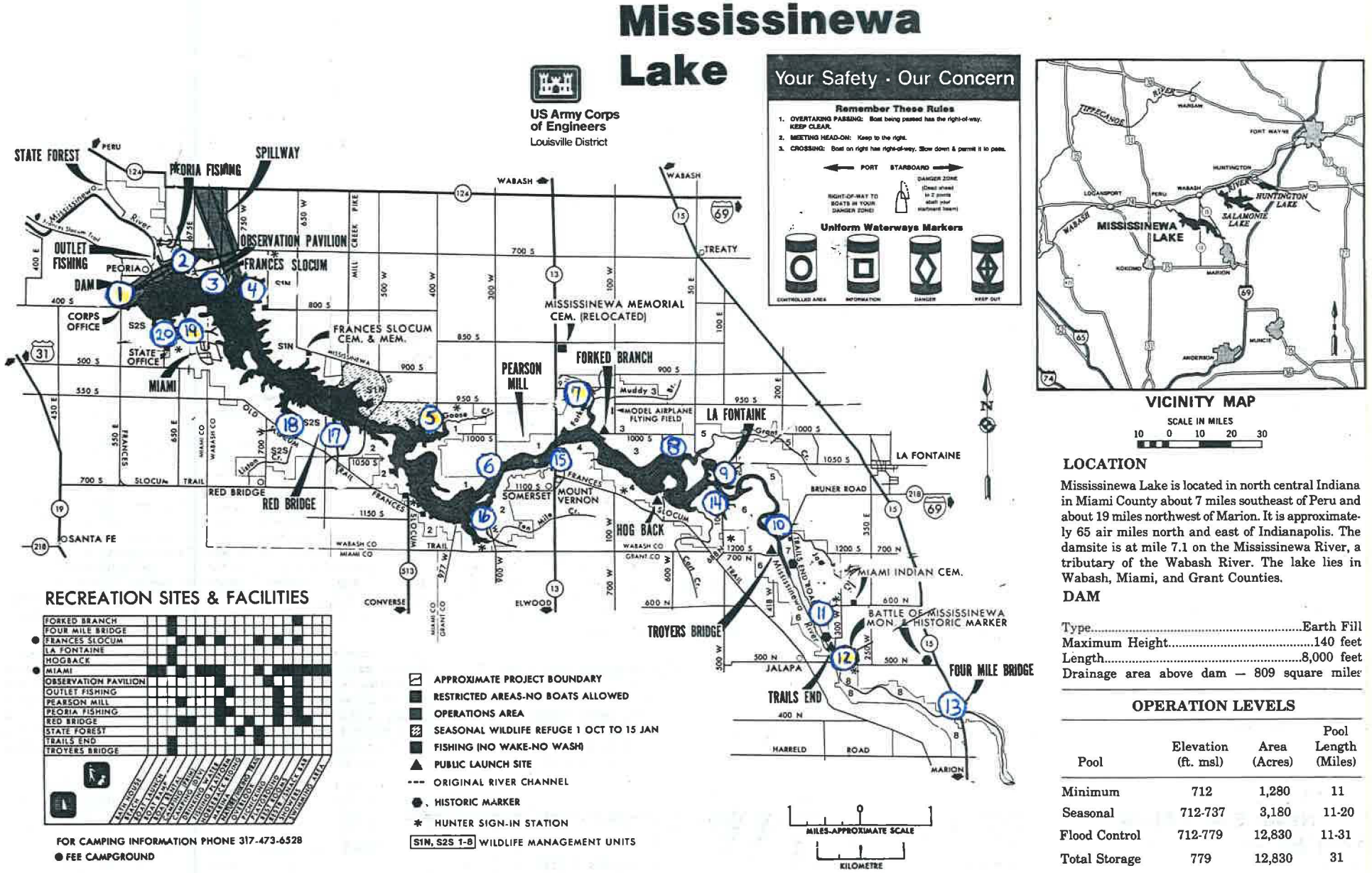
=Positive male moth catch

The State of Indiana, Department of Natural Resources, operates and maintains the recreation facilities at the lake with the exception of denoted areas which the Corps operates and maintains.

LOCATION

Huntington Lake is located in Huntington and Wells Counties, Indiana. The dam is on the Wabash River, a tributary of the Ohio River, 411.4 miles above the mouth in the vicinity of Huntington, Indiana.

Figure 3.--1993 Gypsy moth trap locations.



LOCATION

Mississinewa Lake is located in north central Indiana in Miami County about 7 miles southeast of Peru and about 19 miles northwest of Marion. It is approximately 65 air miles north and east of Indianapolis. The damsite is at mile 7.1 on the Mississinewa River, a tributary of the Wabash River. The lake lies in Wabash, Miami, and Grant Counties.

DAM

Type	Earth Fill
Maximum Height	140 feet
Length	8,000 feet
Drainage area above dam	809 square miles

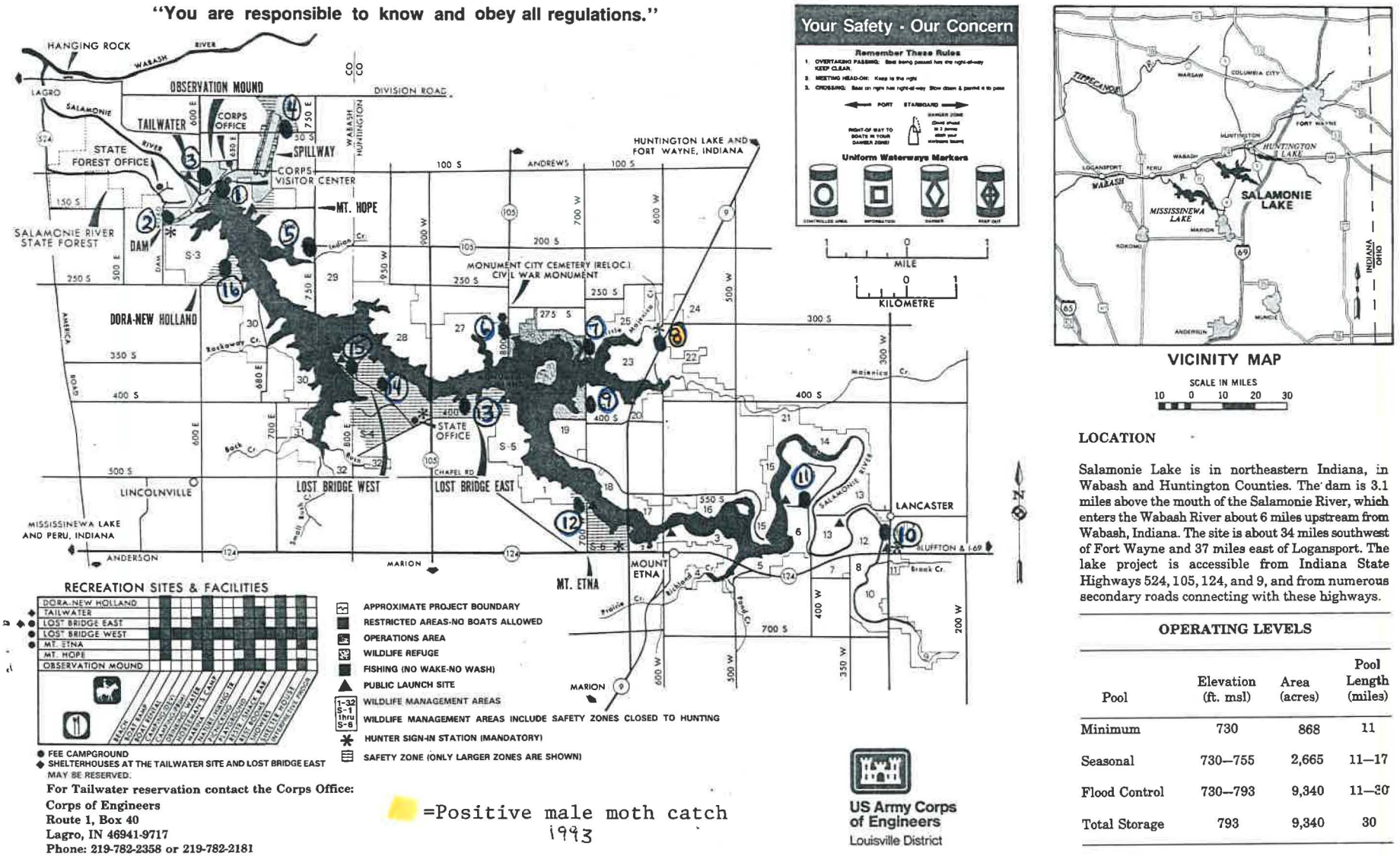
OPERATION LEVELS

Pool	Elevation (ft. msl)	Area (Acres)	Pool Length (Miles)
Minimum	712	1,280	11
Seasonal	712-737	3,180	11-20
Flood Control	712-779	12,830	11-31
Total Storage	779	12,830	31

=Positive male moth catch

Figure 4.--Gypsy moth trap locations.

Salamonie Lake



VICINITY MAP

SCALE IN MILES
10 0 10 20 30

LOCATION

Salamonie Lake is in northeastern Indiana, in Wabash and Huntington Counties. The dam is 3.1 miles above the mouth of the Salamonie River, which enters the Wabash River about 6 miles upstream from Wabash, Indiana. The site is about 34 miles southwest of Fort Wayne and 37 miles east of Logansport. The lake project is accessible from Indiana State Highways 524, 105, 124, and 9, and from numerous secondary roads connecting with these highways.

OPERATING LEVELS

Pool	Elevation (ft. msl)	Area (acres)	Pool Length (miles)
Minimum	730	868	11
Seasonal	730—755	2,665	11—17
Flood Control	730—793	9,340	11—30
Total Storage	793	9,340	30